SPECIAL OPERATIONS ACQUISITION AND LOGISTICS CENTER

JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)

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PEO-Special Programs

National Defense Industrial Association

2003 Joint Services Small Arms Systems Section and Firing Demonstration

PROGRAM EXECUTIVE OFFICE, SPECIAL PROGRAMS

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SOF Guidance to Industry:

Users are why we are employed. We support the user- not vice versa.

Technology moves faster than the Acquisition process and we have to continually find creative ways to get the required/desired gear to the troops.

COTS items are the fastest, most timely acquisitions. Limited modifications are acceptable.

Being able to procure the 80% solution is better than to wait for 100%.

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Lessons Learned From Recent Operations:

- MICH (Modular Integrated Communications Helmet)
- BALCS (Body Armor and Load Carriage System)
- 77 Grain 5.56mm Sierra Match King
- Optics / Night Vision
- MK 46 5.56mm Lightweight Machinegun
- Industry is responsive to our requirements

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Emerging requirements:

Faster, smaller, lighter are the requirements for equipment in the future.

Composites, modularity, adaptability are the key ingredients to all current and future acquisitions. We need to be able to enhance current capabilities.

Examples:

SOF Combat Rifle (SCAR)

Small Arms Ammunition (5.56mm, 7.62mm, (6.8mm ??) and beyond)

Enhanced Grenade Launcher Module (EGLM)

Mini Day/Night Sight Effort (MDNS)

Coatings / Lubrication

Shoulder Fired Weapons

40mm Ammunition

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Upcoming opportunities for Industry:

The vendor that can take an existing capability and enhance it economically will find lots of work. Same goes for creating a new capability in such a way that it can be technologically advanced as faster, lighter, smaller becomes a reality. **APBI:**

19-23 May in Tampa, Florida

Precision Target Laser Designator (PTLD)
Precision Laser Target Device (PLTD)
Multi-target Warhead
40mm Airburst technology
Advanced Carl Gustav
Nanotechnology
SOF Combat Assault Rifle

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SOF Combat Assault Rifle Requirement Summary

SCAR ORD Summary: The Special Operations Combat Assault Rifle (SCAR) will improve mission performance of SOF by providing them with a **reliable** and **accurate** rifle. This will be a weapon of maximized lethality, superior to the M4A1 through versatility, fire control and target acquisition both day and night during CQB and to ranges of 800M.

- Reliable and accurate
- Variety of calibers, interchangeable components: threshold is 5.56mm NATO standard.
- Initially 2 configurations – SCAR-L and SCAR-H with evolutionary variants (Sniper) and (CQB)

SCAR replaces the MK11 (SR-25 7.62 sniper rifle), the MK12 (SPR), the CQBR (10inch upper from SOPMOD), the M4A1 Carbine and the M14 (in use at WARCOM)

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SCAR KPPS

Reliability, Availability and Maintainability (RAM)

Reliability: MRBS (Mean Rounds between Stoppage) - 2000(T) and 8000(O)

MRBF (Mean Rounds between Failure) – 15,000(T) and 50,000(O)

Service Life (Weapon): 15,000 (T) and 90,000 (O)

Service Life (Barrel): 10,000 (T) and 50,000 (O)

Modular System: SCAR-L 5.56mm (T) and SCAR-H 7.62mm (T)

Additional barrel for each variant will allow current and future ammunition (O)

Accuracy: SCAR-L: 70% hit ratio on 500m point target – 600m area target (T)

and 600m point target - 800m area target (O)

SCAR-H: 70% hit ratio on 600m point target – 800m area target (T)

and 800m point target – 1000m area target (O)

The SCAR-L and SCAR-H will not add more than 1 MOA

(minute of angle) @ 300m (T) and not more than 2.5 MOA @ 300m (O)

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SCAR-(L) BOIP

USASOC (includes 160th SOAR,75th Ranger Regiment, USAJFKSWCS, and SFC) 8,692
USACAPOC 228
NAVSPECWARCOM (includes SEAL Teams, SDV teams, DEVGRU, 2,716
NAVSPECWARCEN, NSWUs, SBU)
AFSOC 483
Floats and Spares 1,164
Joint Operational Stocks 1,397
14,670

SCAR-(H) BOIP TBD

FUNDING:

FY	2004	2005	2006	2007	2008	2009	TOTAL
RDTE	**886K**	**1,500K**					**2,386K**
PROC	**996K**	**719K**	**2,268K**	**4,028K**	**10,826K**	**9,639K**	**28,476K**
O&M	**TBD**	**TBD**	**500K**	**500K**	**500K**	**500K**	**2,000K**